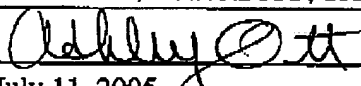
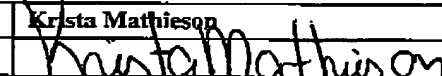


| | | | |
|---|----|------------------------|--------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | | Application No. | 09/960,545 |
| | | Filing Date | September 21, 2001 |
| | | First Named Inventor | Deep K. Buch |
| | | Art Unit | 2126 |
| | | Examiner Name | Opie, George L. |
| Total Number of Pages in This Submission | 15 | Attorney Docket Number | 42390P11711 |

| ENCLOSURES (check all that apply) | | |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Please see Remarks Section </div> |
| Remarks - First Class and Facsimile Certificate of Mailing; - self addressed return receipt postcard; and - a floppy disk with the response saved on the floppy per the Examiner's request | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | Ashley R. Ott, Reg. No. 55,515 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature |  |
| Date | July 11, 2005 |

| CERTIFICATE OF MAILING/TRANSMISSION | | | |
|--|---|------|---------------|
| I hereby certify that on the date shown below this correspondence is being transmitted via facsimile to the USPTO and that this correspondence is being deposited with the USPS with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. | | | |
| Typed or printed name | Krista Mathieson | Date | July 11, 2005 |
| Signature |  | | |

Based on PTO/SB/21 (04-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 08/04/2004.
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

RECEIVED
CENTRAL FAX CENTER**FEE TRANSMITTAL
for FY 2005**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

Complete if Known

Application Number 09/960,545 JUL 11 2005
 Filing Date September 21, 2001
 First Named Inventor Deep K. Buch
 Examiner Name Opie, George L.
 Art Unit 2126
 Attorney Docket No. 42390P11711

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.☒ Credit any overpayments**FEE CALCULATION****1. EXTRA CLAIM FEES**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 30 | 30 | 0 | \$0.00 |
| Independent Claims | 6 | 0 | \$0.00 |
| Multiple Dependent | | | |

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|---|
| 1202 | 50 | 2202 | 25 | Claims in excess of 20 |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 |
| 1203 | 360 | 2203 | 180 | Multiple Dependent claim, if not paid |
| 1204 | 300 | 2204 | 150 | Reissue independent claims over original patent |
| 1205 | 300 | 2205 | 150 | Reissue claims in excess of 20 and over original patent |

*or number previously paid, if greater. For Reissues, see below

SUBTOTAL (1) (\$)

0.00

2. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 60 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 2053 | 130 | 2053 | 130 | Non-English specification |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month |
| 1254 | 1,690 | 2254 | 795 | Extension for reply within fourth month |
| 1255 | 2,180 | 2255 | 1,090 | Extension for reply within fifth month |
| 1401 | 500 | 2401 | 250 | Notice of Appeal |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing |
| 1451 | 1,510 | 2451 | 1,510 | Position to institute a public use proceeding |
| 1450 | 130 | 2450 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(a) |
| 1806 | 180 | 1808 | 180 | Submission of Information Disclosure Stmt. |
| 1809 | 790 | 1809 | 395 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR § 1.129(b)) |

Other fee (specify)

SUBTOTAL (2)

(\$)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Ashley R. Ott Registration No. 55,515 Telephone (303) 740-1980
 Signature [Signature] Date 07/11/05

Based on PTO/SB/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (w/12/15/2004).
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

RECEIVED

CENTRAL FAX CENTER

**FEE TRANSMITTAL
for FY 2005**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

| Complete If Known | |
|----------------------|--------------------------------|
| Application Number | 09/960,545 |
| Filing Date | September 21, 2001 JUL 11 2005 |
| First Named Inventor | Deep K. Buch |
| Examiner Name | Opie, George L. |
| Art Unit | 2126 |
| Attorney Docket No. | 42390P11711 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) ☒ Credit any overpayments

under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

FEE CALCULATION**1. EXTRA CLAIM FEES**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 30 | 30 | 0 | \$0.00 |
| Independent Claims | 6 | 0 | \$0.00 |
| Multiple Dependent | | | |

Large Entity

| Fee Code | Fee (\$) |
|----------|----------|
| 1202 | 50 |
| 1201 | 200 |
| 1203 | 350 |
| 1204 | 300 |
| 1205 | 300 |

Small Entity

| Fee Code | Fee (\$) |
|----------|----------|
| 2202 | 25 |
| 2201 | 100 |
| 2203 | 180 |
| 2204 | 150 |
| 2205 | 150 |

Fee Description

Claims in excess of 20

Independent claims in excess of 3

Multiple Dependent claims, if not paid

**Reissue independent claims over original patent

**Reissue claims in excess of 20 and over original patent

SUBTOTAL (1)

(\$)

0.00

**or number previously paid, if greater. For Reissues, see below

2. ADDITIONAL FEES

Large Entity

Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 2053 | 130 | 2053 | 130 | Non-English specification |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month |
| 1254 | 1,690 | 2254 | 795 | Extension for reply within fourth month |
| 1255 | 2,180 | 2255 | 1,080 | Extension for reply within fifth month |
| 1401 | 500 | 2401 | 250 | Notice of Appeal |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing |
| 1451 | 1,510 | 2451 | 1,510 | Petition to institute a public use proceeding |
| 1450 | 130 | 2450 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(a) |
| 1806 | 180 | 1806 | 180 | Submission of information Disclosure Stmt |
| 1809 | 790 | 1809 | 395 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR § 1.129(b)) |

Other fee (specify)

SUBTOTAL (2)

(\$)

Fee Paid

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|---|--------------------------------------|----------|-----------|----------------|
| Name (Print/Type) | Ashley R. Ott | Registration No. (Attorney/Agent) | 55,515 | Telephone | (303) 740-1980 |
| Signature |  | Date | 07/11/05 | | |

Based on PTO/5B/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 12/15/2004.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

RESPONSE UNDER 37 C.F.R. § 1.116
-- EXPEDITED PROCEDURE --
EXAMINING GROUP 2100

Our Docket No.: 42390P11711

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
CENTRAL FAX CENTER

JUL 11 2005

In re Application of:

Buch

Examiner: Opie, George L.

Application No.: 09/960,545

Art Group: 2194

Filed: September 21, 2001

For: High Performance Synchronization of
Accesses by Threads to Shared
ResourcesRESPONSE AFTER FINALMail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed on May 11, 2005, which was made
final, applicant submits this Amendment After Final Action for consideration.

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that on the date shown below this correspondence is being transmitted via facsimile to the USPTO and that this
correspondence is being deposited with the USPS with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

July 11, 2005

Date of Deposit

Krista Mathieson

Name of Person Mailing Correspondence

Krista Mathieson *July 11, 2005*
Signature Date

Docket No.: 42390P11711
Application No.: 09/960,545